

Exploring Goddard's SPI Website

Presented by:

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GSFC Software Process Improvement (SPI) Project

Agenda

- **Overview of website main pages**
- **Website demonstration**
- **Question and answer session**

Purpose and Objectives

- **Purpose - Provide an overview of the contents of GSFC's SPI website and its navigation**
- **Objective - After this session you should:**
 - **Know what products and information are available on the website**
 - **Know where to find specific assets, tools, etc.**
 - **Know how to navigate through the available “views” to find what you are looking for**
 - **Know how to provide feedback on web pages or assets**

What's on the Website?

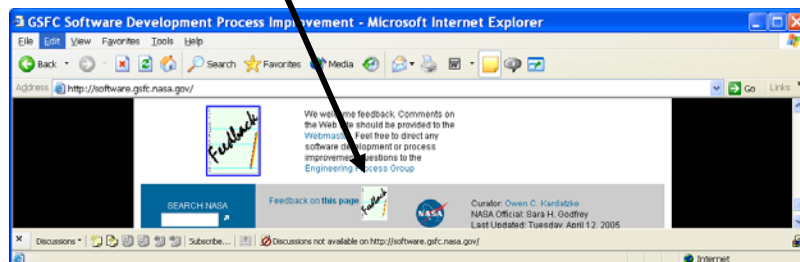
- **General information about GSFC's SPI effort**
- **Process Asset Library (PAL)**
 - **PAL overview, navigation, and help**
 - **Process asset diagrams that ...**
 - show relationships among processes and assets
 - provide "one-click" access to assets
 - **Assets by role, tailoring, or type**
 - **Index and index subsets**
- **Training, discussion, and conference information**
- **Tool information and the tools themselves**
- **Measurement information**
- **Lessons Learned**

SPI Website Homepage

URL: <http://software.gsfc.nasa.gov/>

What's on this page ...

- **Services**
- **News and upcoming events**
- *Overview of the SPI initiative*
- *Info about the navigation bar and a site map*
- **Links to NASA & industry SPI sites**
- **Contact info**
- **Web page feedback link (on each page)**



Process Asset Library (PAL) Main Page

<http://software.gsfc.nasa.gov/process.cfm>

What's on this page ...

- *Diagram of the process architecture*
- *Pyramid of asset types*
- Information about the PAL menu and structure
- User "Help" page
- Asset feedback link
- Glossary
- *Links to PAL diagrams and assets*
- Links to applicable standards and policies

GSFC's Process Asset Library - Microsoft Internet Explorer provided by Comcast

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Mail Print Web Settings

Address <http://software.gsfc.nasa.gov/process.cfm> Go Links Google G Settings

NASA GODDARD SPACE FLIGHT CENTER GSFC Software Process Improvement If the Process Works... Improve It.

+ GSFC SW IMPROVEMENT + PROCESS ASSETS LIBRARY + TRAINING + TOOLS + MEASURES + LESSONS LEARNED

Process Assets Library (PAL)

PAL Information
Process Structure
PAL Feedback Form
PAL Help
+ Glossary

>Welcome to the GSFC Process Assets Library (PAL)

Introduction

GSFC's PAL is a repository of approved process assets for software engineering. It is designed so that assets can be readily accessed and used by anyone who manages, develops, tests, or assures software products or processes.

Assets are continually being added to the PAL. The initial set of assets has been developed by and for the Information Systems Division (ISD). Ultimately, however, this set will be augmented to serve all GSFC software projects.

Process Assets

There are four categories of assets within the PAL:

1. Project Management
2. Product Development
3. Organizational Support
4. Acquisition

The key, high-level processes within each category are shown as numbered boxes in the diagram below. Each of the process boxes is linked to a page that describes the

PAL Contents:

Assets by Category:

- + Product Development
- + Project Management
- + Organizational Support
- + Acquisition

+ Assets by Role

+ Assets by Tailoring

+ Assets by Type

All Approved Assets

Newly Approved Assets

Index of Assets

Trusted sites

GSFC Training Program Main Page

<http://software.gsfc.nasa.gov/training.cfm>

What's on this page ...

- Training news and upcoming events
- Links to SPI Training Program information
- *Links to Class B Software Project training info*
- *Links to SW Engineering Discussion schedule and slides*
- Links to conference information
- Access to experts
- Links to other training programs

GSFC's EPG Training Program - Windows Internet Explorer

http://software.gsfc.nasa.gov/training.cfm

File Edit View Favorites Tools Help

GSFC's EPG Training Program

GODDARD SPACE FLIGHT CENTER

GSFC Software Process Improvement
If the Process Works...Improve It.

+ GSFC SW IMPROVEMENT + PROCESS ASSETS LIBRARY - (PAL) + TRAINING + TOOLS + MEASURES + LESSONS LEARNED

+ Training Program
+ Class B S/W Training
+ S/W Eng. Discussions
+ Conferences
+ Ask an expert
+ Training Support
+ Training Links

GSFC Software Training Program

The goals of the GSFC Software Training Program are to identify, document, and deploy proven best practices for software engineering on GSFC projects; to provide awareness of key software development issues to GSFC customers and collaborators; to enhance the skills of GSFC developers and team leads; and to ensure compliance of NPR 7150.2 across the GSFC. To achieve these goals, the training techniques employed include training classes, software awareness discussions, mentoring, on-the-job training, conference attendance, and use of experts.

This site is the repository for software training-related materials. It provides news and information on upcoming events related to software training, access to the most recent Software Training Plan, and links to other relevant information (training calendar, on-line slides, etc.).

ISD Software Training plan Or in PDF

Training News

GSFC's SPI Website Training Opportunity

Join us on Thursday, November 20, from 11 a.m.-12 p.m., in Bldg. 23, Room C432, to learn what's on this Software Process Improvement (SPI) Website and how you can use it. If you haven't looked around the website lately, you may be surprised at all of the assets available to help make your software effort easier. Come join us and find out how to use this valuable resource. For questions, contact Sally Godfrey at x6-5706.

Upcoming Events

S/W Engineering Discussions

Software Tools Main Page

<http://software.gsfc.nasa.gov/tools.cfm>

What's on this page ...

- Tool assets (*many new tools*)
- Views of tools by role
- Links to other tool sites
 - GSFC Tool Sites
 - *Future* – NASA Tool Sites
 - Industry and Academia Tool Sites

Software Development Tools - Windows Internet Explorer

http://software.gsfc.nasa.gov/tools.cfm

File Edit View Favorites Tools Help

Software Development Tools

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+ GSFC SW IMPROVEMENT + PROCESS ASSETS LIBRARY - (PAL) + TRAINING + TOOLS + MEASURES + LESSONS LEARNED

+ Tools by Role
+ GSFC Tool Sites
+ Other Tool-related Assets
NASA Tool Sites
Industry and Academia Tool Sites

Introduction to Tools

The tools listed in the table below have been (or are being) developed for use at GSFC. If a tool is available, its title is shown as a hyperlink. Click on the title to view more detailed information and to access the tool itself, along with associated files (e.g., users' guides).

This table may be sorted by asset number, title, owner, process supported, or status. Simply click the appropriate column title. To find a particular tool, enter all or part of its title in the box below, and then click the "Find Tool" button.

Some tools have been moved. If you don't find what you are looking for on this page, please select the "Other Tool-related Assets" menu item on the left to access checklists, templates, and forms within the PAL. For additional search options, select "Process Assets Library" from the horizontal navigation bar at the top of the page.

List only tools with title containing: Find Tool <=== Begin Tool Search by title string

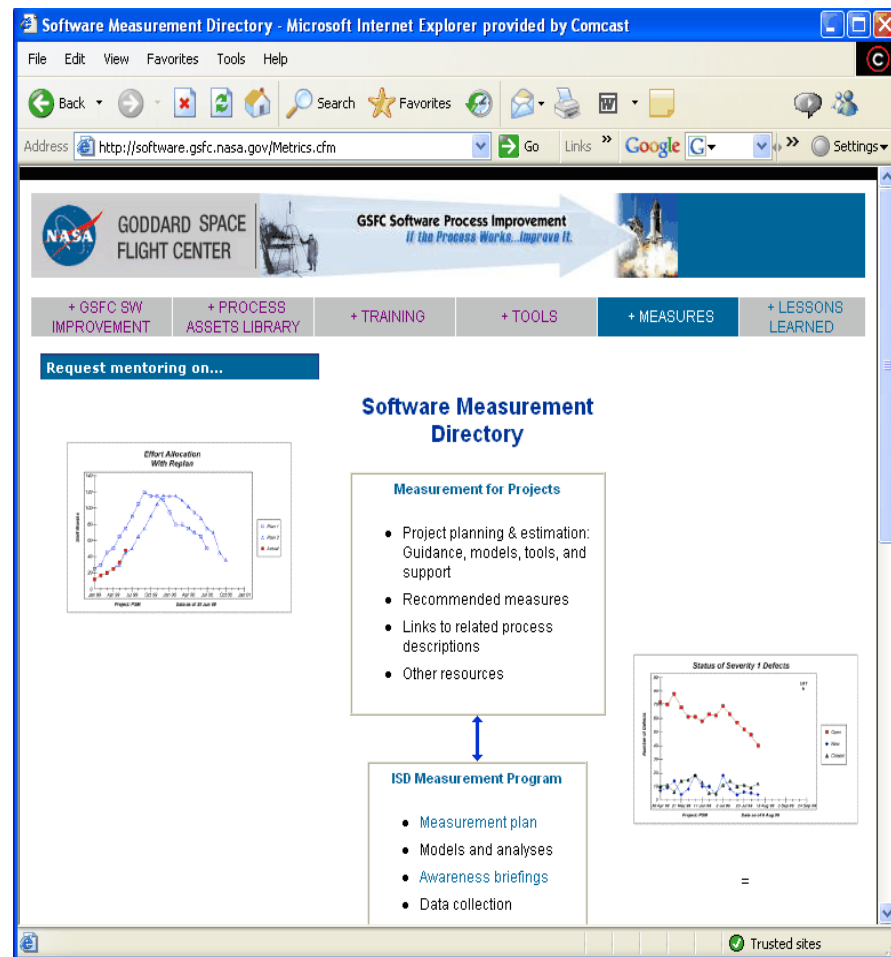
Asset Number	Title	Owner	Process Supported	Status (More Info)
1.2.2.3	Staffing Tool	580	Project Planning	EPG approved
1.2.3.3	Risk Management Tool	580	Project Planning	EPG approved
1.2.3.3.1	FSB Risk Management Tool	582	Project Planning	CCB approved
1.2.4.0	WBS Checklist Tool	580	Project Planning	EPG approved
1.2.4.2	Scheduling Tool	580	Project Planning	EPG approved
1.2.6.2	Software Management Plan/Product Plan Boilerplate Tool	580	Project Planning	EPG approved

Software Measurement Main Page

<http://software.gsfc.nasa.gov/metrics.htm>

What's on this page ...

- Measurement Information for Software Projects
- ISD Measurement Program Information
- GSFC Measurement Information
- NASA Measurement Information
- *Mentoring request menu*

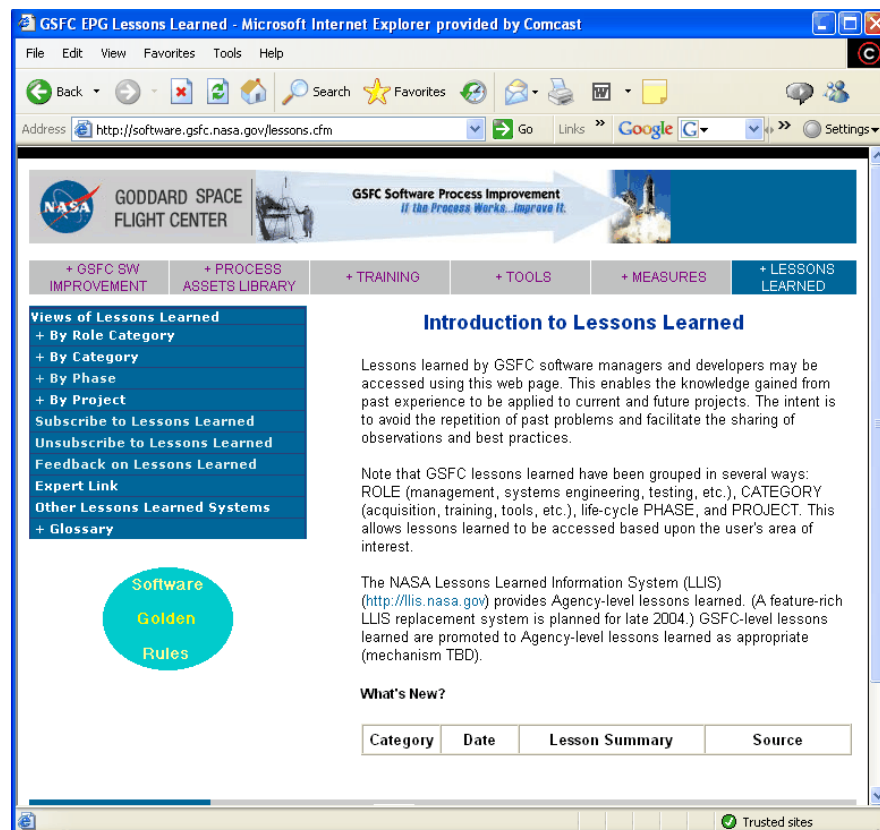


Lessons Learned Main Page

<http://software.gsfc.nasa.gov/lessons.cfm>

What's on this page ...

- New Lessons Learned
- *Link to GSFC's "Software Golden Rules"*
- Lessons Learned Assets
 - By Role Category
 - By Category
 - By Phase (*future*)
 - By Project
- *Link to "Ask an Expert"*
- Links to other lessons learned sites
- Glossary



Website Demonstration

Questions?

Acronyms Used in This Presentation

- **SPI – Software process Improvement**
- **PAL – Process Asset Library**
- **SW – Software**
- **ISD – Information Systems Division, now known as the Software Engineering Division (SED)**